

WJ-NU301K

Network Video Recorders / North America and Asia model

New higher secure level and easy installation NVRs with a build-in PoE+ switch / North America and Asia model



- 16ch NVR with a built-in PoE+ switch
- Support up to 40 TB HDD
- NDAA compliant with intel® CPU
- FIPS 140-2 level 3
- Remote Monitoring
- North America and Asia model

[Learn More](#)



SPECIFICATIONS

| Supported Camera | |
|--|---|
| Compatible vendor | i-PRO series Network cameras, ONVIF NVT conformant camera and encoder |
| Supported Image Format | H.265 (HEVC), H.264, JPEG |
| Supported Image Resolution (Depending on the camera) | <ul style="list-style-type: none"> •Aspect ratio [4 : 3] 3072x2304, 2560x1920, 2048x1536, 1600x1200, 1280x960, 800x600, 640x480 •Aspect ratio [16 : 9] 3840x2160, 3328x1872, 3072x1728, 2688x1520, 2560x1440, 1920x1080, 1280x720, 640x360 •Aspect ratio [1 : 1] 2992x2992, 2816x2816, 2192x2192, 2048x2048, 1440x1440, 1280x1280, 1200x1200 •Aspect ratio [9 : 16] 2160x3840, 1872x3328, 1728x3072, 1520x2688, 1440x2560, 1080x1920, 720x1280, 360x640 |
| Supported Audio Format | AAC-LC, G.711 for ONVIF |
| Maximum Number of Cameras | MAX. 16 |
| Recording | |
| Recording Mode | Event, Schedule, Emergency, Pre-event |
| Pre-alarm Recording | Up to 15 seconds *When the delivery speed from the network camera is less than 4 Mbps. |
| Sub-stream Recording | - |
| Scheduled Recording Mode | 4 programs, 6 time zones/day, Independent setup for each day of the week |
| Frame Rate/Camera | Up to 60 fps (Depending on the camera) |
| Main Unit Functions | |
| Camera Control | Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mode, Click centering, Wheel zoom, Zoom reset, Auto Back Focus, Aux, Wiper (for WV-SUD638) |
| Multiscreen Mode | [Main monitor] <ul style="list-style-type: none"> • Control screen 4 / 9 / 16 split screen display • Wide view screen 2 / 3 / 4 / 5 / 6 / 7 / 9 / 12 / 16 split screen display, 1 screen sequence [Sub monitor] <ul style="list-style-type: none"> 1 screen sequence, 4 / 9 / 16 split screen display |
| Playback Control | PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record, Prev Image, Next Image, Go to Date, Go to Last (30 s), Time-saving playback |
| Search Mode | Search criteria : Time date, Playback by designating a timeline, VMD, Thumbnail |
| Copy | File Format: Original Format / MP4 Recorded data of selected cameras and time date range can be copied to USB storage. |
| Camera Title | Up to 16 Characters |
| Clock Display | Time : 12H/24H, Date : 5 formats |
| Digital Zoom | Live / Play: 1.25x 1.5x 1.75x, 2x, 2.5x, 3x, 3.5x 4x, 5x, 6x, 7x, 8x (only for 1-screen or 4-screen) |
| System Log | Operator access (500), Network error (100), Error (1,000), Event (1000), Operation (500) |
| System Setup | Setup page in English, French, Italian, Spanish, German, Portuguese, Thai, Vietnamese, Simplified Chinese, Traditional Chinese, Japanese |
| 360 Camera Dewarp | Only 1ch display mode. |

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|-------------------------|--|
| re-encoding | 2Client |
| SD Memory Data Download | Images recorded in the SD card in the i-PRO series cameras can be transferred to the recorder automatically. (H.265/H.264) |

Browser GUI

| | |
|------------------|---|
| Camera Control | Pan/Tilt, Zoom, Focus, Brightness, Preset position call and program (up to 256), Auto mode, Zoom reset, Aux, Wiper (for WV-SUD638) |
| Playback Control | PLAY, Rev PLAY, Pause, Stop, FF, FR, Prev Record, Next Record, Prev Image, Next Image, Go to Date, Go to Last (30 s) |
| Search Mode | Search criteria : Time date, Event type, Camera number |
| Display Mode | 1 screen |
| Image Download | File Format: Original Format Recorded data of selected camera and time range can be downloaded to a PC. Viewer software can be downloaded separately. |
| Copy | File Format: Original Format / MP4 Recorded data of selected cameras and time date range can be copied to USB storage. |
| Camera Title | Up to 16 characters |
| Clock Display | On the browser. Time: 12H/24H, Date: 5 formats |
| Alarm Control | Reset |
| Digital Zoom | - |
| System Log | Operator access (500), Network error (100), Error (1,000), Event (1000), Operation (500) |
| GUI Language | English, French, Italian, Spanish, German, Portuguese, Thai, Vietnamese, Simplified Chinese, Traditional Chinese, Japanese |
| Required PC | CPU: Intel® Core™ i7-860 or faster , RAM : 4 GB or more, VRAM: 128 MB or more (Min. 64 MB), Microsoft® DirectX® 9.0c or later |
| Web Browser | Microsoft Edge*, Google Chrome, Mozilla Firefox *Not compatible with Internet Explorer mode |

Alarm/Event

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|---------------|---|
| Alarm Source | 4x Terminal inputs, 16x Camera alarms (TCP alarm notification), 128x Command alarms |
| Event Mode | Off / On |
| Alarm Action | Alarm recording, E-mail notification, Alarm message, Camera positioning, Terminal output, TCP/HTTP alarm notification output, Buzzer, Indicator |
| Alarm Control | Reset |
| Event log | 1000 |

Input/Output

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|--------------------------|---|
| Monitor (HDMI) Connector | [Main monitor] HDMI 4K UHD(3840x2160p)/30Hz, 4K UHD(3840x2160p)/25Hz, 1920x1080p /60Hz, 1920x1080p /50Hz [Sub monitor] HDMI 1920x1080p /60Hz, 1920x1080p /50Hz |
| Alarm/Control Terminal | [Alarm] Alarm input 4, Alarm output 1 [Control] +5 V output, Emergency recording input, General purpose input/output [Error / Warning] HDD error / Recording error output, Camera error output |
| Mouse Connection Port | 1 (USB 2.0) |
| Network Port (PC) | 1x 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45) |

| | |
|-----------------------|--|
| Network Port (Camera) | 16x 10BASE-T / 100BASE-TX(RJ45), (RJ45, PoE+), PoE Budget (16 port Total : Max 233 W, Each port Max : 30 W) |
| USB Storage | USB 3.0 / USB 2.0 memory, USB 3.0 / USB 2.0 connected HDD (except bus powered device) |

Network

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|---------------------------|---|
| Network Interface | 10BASE-T / 100BASE-TX / 1000BASE-T (RJ45) |
| Maximum Recording Rate | 128 Mbps |
| Maximum Bandwidth | Total 256 Mbps |
| Supported Protocol | IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, RTP, RTSP, ICMP, ARP IPv6: ICMPv6 |
| E-mail | Upon Alarm or Warning |
| No. of Simultaneous Users | 16 or less |
| User Registration | Up to 32 users |
| User Level | 3 Levels (Programmable) |
| Partitioning | User level - Camera (View & Control, No Access) |
| Security Method | User authentication (ID and Password), Host authentication, Alteration detection, SSL/TLS |

Other Functions

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|---|---|
| Time Synchronization | NTP (Server/Client) |
| Summer Time | User definable (using menu setup) |
| Remote Monitoring (Cloud service for P2P) | 1000 cameras or less Allows the PC and mobile APP full access the multiple NU series / NX series NVRs. |

HDD

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|------------------|----------------------------|
| Type | 3.5 inch, Max. 2x SATA HDD |
| Maximum Capacity | 40 TB |
| RAID | RAID 1 |

Viewer Software

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|------------------------|---|
| Playback Control | PLAY, Rev PLAY, Pause, FF, FR, Prev Record, Next Record, Prev Image, Next Image |
| Additional Functions | [NX Viewer] Alteration detection, Save as JPEG, Two times zoom, Print, Copy, Aspect ratio switching, fish eye correction, corridor display |
| Supported OS, Language | Language of the software will be English or Japanese |

General Specifications

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|-------------------------------|--|
| Safety / EMC Standard | UL (UL62368-1) c-UL (CAN/CSA C22.2 NO.62368-1) FCC (FCC Part15 Subpart B) |
| Power Source | 100 - 240 V AC 50 Hz / 60 Hz |
| Power Consumption | 340W (347 VA) |
| Ambient Operating Temperature | Main body : 0 °C to +45 °C (32 °F to 113 °F) Mouse (provided) : +5 °C to +40 °C (41 °F to 104 °F) |
| Ambient Operating Humidity | 5 % to 90 % (without condensation) |
| Maximum Operating Altitude | 2,000 m (6,562 feet) above sea level |

| | |
|----------------|--|
| Dimensions | 420 mm(W) x 88 mm(H) x 300 mm(D) {16-17/32 inches (W) x 3-15/32 inches (H) x 11-13/16 inches (D)} |
| Mass (approx.) | App 4.7 kg {10.4lbs} |

NOTES

Important

- Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
- i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.

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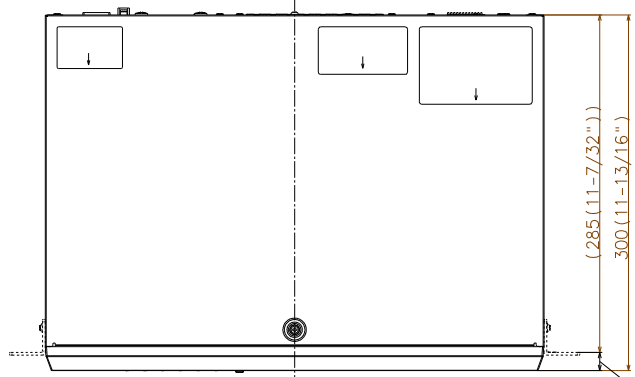
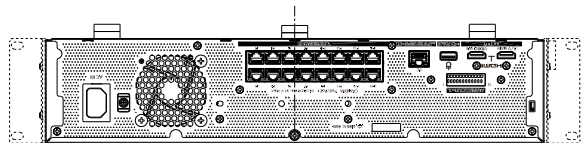
OPTIONAL ACCESSORIES

Select a compatible accessory

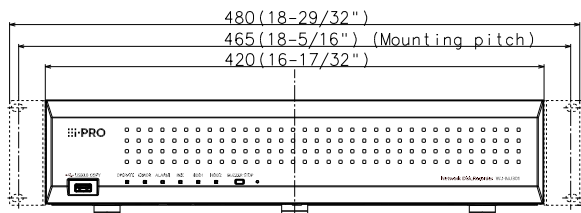
[Accessory Selector \(i-pro.com\)](#).



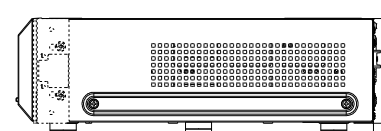
WV-QRM201
Wall mounting



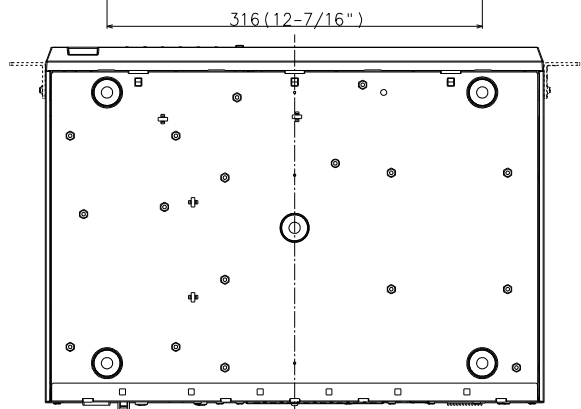
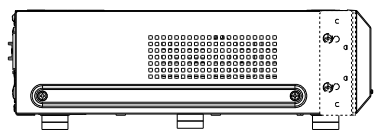
15 (19/32")



12 (15/32") (88 (3-15/32"))



114 (4-1/2") 114 (4-1/2") (33 (1-5/16"))



WJ-NU301KP
WJ-NU301KG